



POMALUX® SD-A

Anti-static Acetal Copolymer / Antistatic Delrin



** POMALUX® is the registered trademark of

WESTLAKE PLASTICS COMPANY

PRODUCT CAPABILITIES:

- Rod : 1/4" - 4"
- Heavy Gauge Sheet : 1/8" - 2"
- Thin Gauge Sheet : 0.030" - 0.063"
- Film : 0.002" - 0.029"

ADVANTAGES:

- Permanently Anti-Static
- Non-Carbon Filled
- Non-Sloughing
- Enhanced Lubricity
- Chemical Resistance
- Dimensionally Stable
- Easily Machined
- Excellent Wear Resistance
- Low Outgassing Levels

PRODUCT COLORS:

- Light Beige
- Blue

APPLICATIONS INCLUDE:

- Excellent Choice For Tools / Fixturing
- In-Process Silicon Wafer Or Used In The Manufacturing Of Sensitive Electronic Components
- Telecommunication Hardware
- Automotive Equipment

GENERAL PROPERTIES	ASTM or UL Test	POMALUX® SD-A Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D792	1.33
Water Absorption, 24 hrs (%)	D570	2.5
MECHANICAL		
Tensile Strength (psi)	D638	6,600
Tensile Elongation at Yield (%)	D638	45
Flexural Strength (psi)	D790	7,000
Flexural Modulus (psi)	D790	210,000
IZOD Notched Impact (ft-lb/in)	D256	2
IZOD Un-Notched Impact (ft-lb/in)	D256	No Break
Hardness, Shore D	D2240	70
THERMAL		
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	6.5
Heat Deflection Temp (°F / °C) @ 264 psi	D648	141 / 61
Thermal Conductivity (BTU-in/ft ² -hr-°F)	C177	2.1
Flammability Rating @ .030"	UL-94	HB
ELECTRICAL		
Surface Resistivity (ohms/sq)	D257	10 ⁷ - 10 ⁹
Static Decay, 15% RH (seconds)	MIL-B-81705-B	-

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.